

Title (en)  
TCP/IP packet-centric wireless transmission system architecture

Title (de)  
TCP/IP-paketzentrierte drahtlose Übertragungssystemarchitektur

Title (fr)  
Architecture de système de transmission sans fil centré-paquet TCP/IP

Publication  
**EP 1775899 A2 20070418 (EN)**

Application  
**EP 07101014 A 20000707**

Priority

- EP 00947079 A 20000707
- US 34947799 A 19990709
- US 34948099 A 19990709
- US 35012699 A 19990709
- US 35011899 A 19990709
- US 34785699 A 19990709
- US 35015099 A 19990709
- US 35015699 A 19990709
- US 34947699 A 19990709
- US 35017099 A 19990709
- US 34948199 A 19990709
- US 35015999 A 19990709
- US 34785799 A 19990709
- US 34947599 A 19990709
- US 34948399 A 19990709
- US 34947999 A 19990709
- US 35016299 A 19990709
- US 34997599 A 19990709
- US 35017399 A 19990709
- US 34948299 A 19990709
- US 34947899 A 19990709
- US 34947499 A 19990709

Abstract (en)  
A packet-centric wireless point to multi-point telecommunications systems includes: a wireless base station communicating via a packet-centric protocol to a first data network; one or more host workstations communicating via the packet-centric protocol to the first data network; one or more subscriber customer premise equipment (CPE) stations coupled with the wireless base station over a shared bandwidth via the packet-centric protocol over a wireless medium; and one or more subscriber workstations coupled via the packet-centric protocol to each of the subscriber CPE stations over a second network. The packet-centric protocol can be transmission control protocol/internet protocol (TCP/IP). The packet-centric protocol can be a user datagram protocol/internet protocol (UDP/IP). The system can include a resource allocation means for allocating shared bandwidth among the subscriber CPE stations. The resource allocation is performed to optimize end-user quality of service (QoS).

IPC 8 full level  
**H04L 1/20** (2006.01); **H04L 12/18** (2006.01); **H04L 12/28** (2006.01); **H04L 12/56** (2006.01); **H04L 29/06** (2006.01); **H04M 3/00** (2006.01); **H04Q 7/38** (2006.01); **H04Q 11/04** (2006.01); **H04W 28/20** (2009.01); **H04W 28/26** (2009.01); **H04W 28/04** (2009.01); **H04W 72/04** (2009.01); **H04W 80/06** (2009.01)

CPC (source: EP KR)  
**H04L 1/20** (2013.01 - EP); **H04L 12/1827** (2013.01 - EP); **H04L 12/28** (2013.01 - KR); **H04L 47/193** (2013.01 - EP); **H04L 47/27** (2013.01 - EP); **H04L 63/0272** (2013.01 - EP); **H04L 69/161** (2013.01 - EP); **H04L 69/163** (2013.01 - EP); **H04L 69/165** (2013.01 - EP); **H04L 69/169** (2013.01 - EP); **H04Q 11/0414** (2013.01 - EP); **H04W 28/02** (2013.01 - EP); **H04W 28/20** (2013.01 - EP); **H04L 12/1836** (2013.01 - EP); **H04L 12/189** (2013.01 - EP); **H04L 69/16** (2013.01 - EP); **H04Q 2213/1305** (2013.01 - EP); **H04Q 2213/13096** (2013.01 - EP); **H04Q 2213/13097** (2013.01 - EP); **H04Q 2213/13098** (2013.01 - EP); **H04Q 2213/13141** (2013.01 - EP); **H04Q 2213/13166** (2013.01 - EP); **H04Q 2213/13176** (2013.01 - EP); **H04Q 2213/13196** (2013.01 - EP); **H04Q 2213/13204** (2013.01 - EP); **H04Q 2213/13216** (2013.01 - EP); **H04Q 2213/1322** (2013.01 - EP); **H04Q 2213/13292** (2013.01 - EP); **H04Q 2213/13296** (2013.01 - EP); **H04Q 2213/13348** (2013.01 - EP); **H04Q 2213/13389** (2013.01 - EP); **H04W 28/26** (2013.01 - EP); **H04W 72/04** (2013.01 - EP); **H04W 72/566** (2013.01 - EP); **H04W 80/06** (2013.01 - EP)

Citation (applicant)  
• WO 9916266 A1 19990401 - ERICSSON TELEFON AB L M [SE]  
• WO 9916214 A1 19990401 - COMMW SCIENT IND RES ORG [AU], et al

Cited by  
CN113992601A; EP2815545A4; WO2013123042A1; US9526029B2; US9730102B2

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)  
**EP 1775899 A2 20070418**; **EP 1775899 A3 20090701**; **EP 1775899 B1 20131106**; EP 1775888 A2 20070418; EP 1775888 A3 20070905; EP 1775898 A2 20070418; EP 1775898 A3 20090701; EP 1775898 B1 20131002; EP 1796304 A2 20070613; EP 1796304 A3 20091118; EP 1796305 A2 20070613; EP 1796305 A3 20090701; EP 1796305 B1 20160217; HK 1048025 A1 20030314; KR 100877633 B1 20090206; KR 20020029422 A 20020418

DOCDB simple family (application)  
**EP 07101014 A 20000707**; EP 07100992 A 20000707; EP 07100998 A 20000707; EP 07101001 A 20000707; EP 07101009 A 20000707; HK 02107539 A 20021017; KR 20027000350 A 20020109